Amendment to the Claims

1. (currently amended) A method comprising:

creating a plurality of nanotubes, the nanotubes each having a substantially cylindrical wall and a plurality of magnetic atoms that are encircled by attached to the wall;

aligning the nanotubes on a grid having metal lines, such that each of the nanotubes has a first portion that overlaps a metal grid line and a second portion that does not overlap the metal grid line; and

removing the second portions.

- 2. (original) The method of claim 1, wherein creating the plurality of nanotubes includes arc discharge, laser evaporation or chemical vapor deposition.
- 3. (original) The method of claim 1, wherein creating the plurality of nanotubes includes forming small cluster of magnetic atoms in the nanotube, such that the nanotube exhibits superparamagnetism at room temperature.
- 4. (currently amended) The method of claim 1, wherein creating the plurality of nanotubes includes forming a magnetic alloy containing cobalt, nickel or iron in the nanotube nanotubes.
- 5. (currently amended) The method of claim 1, wherein aligning the nanotubes on the grid includes applying a magnetic force field of less than 2 Tesla.
- 6. (original) The method of claim 1, wherein aligning the nanotubes on the grid includes scanning a row of sharp tips over the grid.
- 7. (currently amended) The method of claim 1, wherein removing the second portions includes applying an electric current the grid a voltage between metal lines.

0.	etching the second portions with the grid as an etching mask.
9.	(withdrawn)
10	(withdrawn)
11	(withdrawn)
12	. (withdrawn)
13	. (withdrawn)
14	. (withdrawn)
15	. (withdrawn)
16	. (withdrawn)
17	. (withdrawn)
18	. (currently amended) The method of claim 1, wherein the grid of metal line having metal lines is made up of ferromagnetic materials.
19	. (currently amended) The method of claim 1, wherein the length of nanotubes is longer than the spacing between neighboring two adjacent metal lines of the grid.
20	. (currently amended) The method of claim \$18\$, wherein aligning the nanotubes on the grid includes applying a magnetic field.

